

Abstract of the disclosure

The present invention relates to structured pre-form bodies as panel lining for wide-band sound absorption, which consist of open-cell foamed material having a rigid carcass co-vibrating in a resonant manner at low frequencies, and which are characterised by the provision that a columnar structure is positioned in front of or on a plain base layer (1) on the wall side, that presents a carcass resonance adjustable as a function of the parameters of the layer, which columnar structure has a non-symmetrical distribution of height and cross-section in the manner of a wide-band tuned moderator gap, wherein the columnar height corresponds approximately to the density of said base.

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